

# OPERATING DATA REPORT

## OPERATING STATUS

1. Unit Name: Catawba 1
2. Reporting Period: November 1, 1996-November 30, 1996
3. Licensed Thermal Power (MWt): 3411
4. Nameplate Rating (Gross MWe): 1305\*
5. Design Electrical Rating (Net MWe): 1145
6. Maximum Dependable Capacity (Gross MWe): 1192
7. Maximum Dependable Capacity (Net MWe): 1129
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report. Give Reasons: \_\_\_\_\_

DOCKET NO 50-413  
 DATE December 13, 1996  
 COMPLETED BY R.A. Williams  
 TELEPHONE 704-382-5346

Notes \*Nameplate Rating  
 (Gross MWe) calculated as  
 1450.000 MVA x .90 power  
 factor per Page iii,  
 NUREG-0020.

9. Power Level To Which Restricted, If Any (Net MWe): \_\_\_\_\_
10. Reason For Restrictions, If any: \_\_\_\_\_

|   | This Month | Yr.-to-Date | Cumulative |
|---|------------|-------------|------------|
| 11. Hours In Reporting Period   | 720.0      | 8040.0      | 100153.0   |
| 12. Number Of Hours Reactor Was Critical  | 720.0      | 5246.7      | 77540.4    |
| 13. Reactor Reserve Shutdown Hours  | --0--      | --0--       | --0--      |
| 14. Hours Generator On-Line   | 720.0      | 5158.2      | 76246.9    |
| 15. Unit Reserve Shutdown Hours   | --0--      | --0--       | --0--      |
| 16. Gross Thermal Energy Generated (MWH)  | 2446374    | 16595385    | 248545644  |
| 17. Gross Electrical Energy Generated (MWH)   | 882695     | 5944117     | 87846928   |
| 18. Net Electrical Energy Generated (MWH)   | 838082     | 5580876     | 82625965   |
| 19. Unit Service Factor   | 100.0      | 64.2        | 76.1       |
| 20. Unit Availability Factor  | 100.0      | 64.2        | 76.1       |
| 21. Unit Capacity Factor (Using MDC Net)  | 103.1      | 61.5        | 72.8       |
| 22. Unit Capacity Factor (Using DER Net)  | 101.7      | 60.6        | 72.1       |
| 23. Unit Forced Outage Rate   | 0.0        | 3.0         | 7.9        |
| 24. Shutdown Scheduled Over Next 6 Months (Type, Date, and Duration of Each):<br>None |            |             |            |

25. If Shut Down At End Of Report Period. Estimated Date of Startup: \_\_\_\_\_
26. Units In Test Status (Prior to Commercial Operation): \_\_\_\_\_

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

Forecast  
 Achieved

# OPERATING DATA REPORT

DOCKET NO 50-413  
UNIT Catawba 1  
DATE December 13, 1996  
COMPLETED BY R.A. Williams  
TELEPHONE 704-382-5346

MONTH November, 1996

| DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) |
|-----|--|
| 1   | <u>1062</u>                            |
| 2   | <u>1142</u>                            |
| 3   | <u>1171</u>                            |
| 4   | <u>1171</u>                            |
| 5   | <u>1166</u>                            |
| 6   | <u>1162</u>                            |
| 7   | <u>1157</u>                            |
| 8   | <u>1159</u>                            |
| 9   | <u>1171</u>                            |
| 10  | <u>1171</u>                            |
| 11  | <u>1171</u>                            |
| 12  | <u>1172</u>                            |
| 13  | <u>1171</u>                            |
| 14  | <u>1169</u>                            |
| 15  | <u>1171</u>                            |
| 16  | <u>1170</u>                            |

| DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) |
|-----|--|
| 17  | <u>1170</u>                            |
| 18  | <u>1169</u>                            |
| 19  | <u>1167</u>                            |
| 20  | <u>1168</u>                            |
| 21  | <u>1168</u>                            |
| 22  | <u>1171</u>                            |
| 23  | <u>1170</u>                            |
| 24  | <u>1168</u>                            |
| 25  | <u>1162</u>                            |
| 26  | <u>1165</u>                            |
| 27  | <u>1170</u>                            |
| 28  | <u>1172</u>                            |
| 29  | <u>1172</u>                            |
| 30  | <u>1170</u>                            |

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH November 1996

DOCKET NO. 50-413  
 UNIT NAME CATAWBA I  
 DATE 12/13/96  
 COMPLETED BY R. A. Williams  
 TELEPHONE (704)-382-5346

| NO. | DATE | (1)<br>TYPE | DURATION<br>HOURS | (2)<br>REASON | (3)<br>METHOD<br>OF<br>SHUT<br>DOWN<br>R/X | LICENSE<br>EVENT<br>REPORT<br>NO. | (4)<br>SYSTEM<br>CODE | (5)<br>COMPONENT<br>CODE | CAUSE AND CORRECTIVE<br>ACTION TO<br>PREVENT RECURRENCE |
|-----|------|-------------|-------------------|---------------|--|-----------------------------------|-----------------------|--------------------------|---|
|     |      | NO          | SHUTDOWNS         | OR            |  | REDUCTION                         | S                     |                          |   |

- (1)  
 F Forced  
 S Scheduled
- (2)  
 Reason:  
 A-Equipment Failure (Explain)  
 B-Maintenance or test  
 C-Refueling  
 D-Regulatory Restriction  
 E-Operator Training & License Examination  
 F-Administrative  
 G-Operator Error (Explain)  
 H-Other (Explain)

- (3)  
 Method:  
 1-Manual  
 2-Manual Scram  
 3-Automatic Scram  
 4-Other (Explain)

- (4)  
 Exhibit G - Instructions  
 for Preparation of Data  
 Entry Sheets For Licensee  
 Event Report (LER)  
 File (NOREG-0161)

- (5)  
 Exhibit I - Same Source

### MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Catawba, Unit 1
2. Scheduled next refueling shutdown: December 1997
3. Scheduled restart following refueling: January 1998

THE PROJECT MANAGER HAS BEEN ADVISED BY SEPARATE COMMUNICATION OF ANY T.S. CHANGE OR LICENSE AMENDMENT. THEREFORE, QUESTIONS 4 THROUGH 6 WILL NO LONGER BE MAINTAINED IN THIS REPORT.

4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?

If yes, what will these be?

If no, has reload design and core configuration been reviewed by Safety Review Committee regarding unreviewed safety questions?

5. Scheduled date(s) for submitting proposed licensing action and supporting information.
6. Important licensing considerations (new or different design or supplier, unreviewed design or performance analysis methods, significant changes in design or new operating procedures).
7. Number of Fuel assemblies (a) in the core: 193  
(b) in the spent fuel pool: 632
8. Present licensed fuel pool capacity: 1418  
Size of requested or planned increase: ---
9. Projected date of last refueling which can be accommodated by present license capacity:  
September 2009

DUKE POWER COMPANY

DATE: December 13, 1996

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

DOCKET: 50 -413

UNIT: Catawba 1

Date: 12/13/96

#### NARRATIVE SUMMARY

MONTH: November, 1996

Catawba Unit 1 began the month of November operating at approximately 57% full power due to "1A" main transformer maintenance. The unit returned to 100% full power on 11/01/96 at 1445, and operated at or near 100% full power the remainder of the month.

Prepared by: R. A. Williams  
Telephone: (704) - 382-5346

# OPERATING DATA REPORT

## OPERATING STATUS

DOCKET NO 50-414  
 DATE December 13, 1996  
 COMPLETED BY R.A. Williams  
 TELEPHONE 704-382-5346

1. Unit Name: Catawba 2
2. Reporting Period: November 1, 1996-November 30, 1996
3. Licensed Thermal Power (MWt): 3411
4. Nameplate Rating (Gross MWe): 1305\*
5. Design Electrical Rating (Net MWe): 1145
6. Maximum Dependable Capacity (Gross MWe): 1192
7. Maximum Dependable Capacity (Net MWe): 1129
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons: \_\_\_\_\_

Notes \*Nameplate Rating  
 (Gross MWe) calculated as  
 1450.000 MVA x .90 power  
 factor per Page iii,  
 NUREG-0020.

9. Power Level To Which Restricted, If Any (Net MWe): \_\_\_\_\_
10. Reason For Restrictions, If any: \_\_\_\_\_

|   | This Month | Yr.-to-Date | Cumulative |
|---|------------|-------------|------------|
| 11. Hours In Reporting Period   | 720.0      | 8040.0      | 90169.0    |
| 12. Number Of Hours Reactor Was Critical  | 720.0      | 7592.8      | 71758.9    |
| 13. Reactor Reserve Shutdown Hours  | --0--      | --0--       | --0--      |
| 14. Hours Generator On-Line   | 720.0      | 7538.9      | 70676.6    |
| 15. Unit Reserve Shutdown Hours   | --0--      | --0--       | --0--      |
| 16. Gross Thermal Energy Generated (MWH)  | 2411461    | 25391975    | 228808513  |
| 17. Gross Electrical Energy Generated (MWH)   | 865900     | 9069281     | 81173648   |
| 18. Net Electrical Energy Generated (MWH)   | 823825     | 8598405     | 76510662   |
| 19. Unit Service Factor   | 100.0      | 93.8        | 78.4       |
| 20. Unit Availability Factor  | 100.0      | 93.8        | 78.4       |
| 21. Unit Capacity Factor (Using MDC Net)  | 101.4      | 94.7        | 75.0       |
| 22. Unit Capacity Factor (Using DER Net)  | 99.9       | 93.4        | 74.1       |
| 23. Unit Forced Outage Rate   | 0.0        | 6.2         | 8.6        |
| 24. Shutdown Scheduled Over Next 6 Months (Type, Date, and Duration of Each):<br>Refueling - March 14, 1997 - 45 days |            |             |            |

25. If Shut Down At End Of Report Period, Estimated Date of Startup: \_\_\_\_\_
26. Units In Test Status (Prior to Commercial Operation): \_\_\_\_\_

Forecast Achieved

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

# OPERATING DATA REPORT

DOCKET NO 50-414  
UNIT Columbia 2  
DATE December 13, 1996  
COMPLETED BY R.A. Williams  
TELEPHONE 704-382-5346

MONTH November, 1996

| DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) |
|-----|--|
| 1   | <u>1162</u>                            |
| 2   | <u>1165</u>                            |
| 3   | <u>1168</u>                            |
| 4   | <u>1169</u>                            |
| 5   | <u>1167</u>                            |
| 6   | <u>1162</u>                            |
| 7   | <u>1156</u>                            |
| 8   | <u>1139</u>                            |
| 9   | <u>1160</u>                            |
| 10  | <u>1168</u>                            |
| 11  | <u>1170</u>                            |
| 12  | <u>1170</u>                            |
| 13  | <u>1170</u>                            |
| 14  | <u>836</u>                             |
| 15  | <u>942</u>                             |
| 16  | <u>1161</u>                            |

| DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) |
|-----|--|
| 17  | <u>1168</u>                            |
| 18  | <u>1165</u>                            |
| 19  | <u>1166</u>                            |
| 20  | <u>1167</u>                            |
| 21  | <u>1167</u>                            |
| 22  | <u>1169</u>                            |
| 23  | <u>1163</u>                            |
| 24  | <u>1152</u>                            |
| 25  | <u>1137</u>                            |
| 26  | <u>1147</u>                            |
| 27  | <u>1163</u>                            |
| 28  | <u>1165</u>                            |
| 29  | <u>1166</u>                            |
| 30  | <u>1167</u>                            |

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH November 1996

DOCKET NO. 50-414  
 UNIT NAME CATAWBA 2  
 DATE 12/13/96  
 COMPLETED BY R. A. Williams  
 TELEPHONE (704)-382-5346

| N<br>O<br>. | DATE     | (1)<br>T<br>Y<br>P<br>E | DURATION<br>HOURS | (2)<br>R<br>E<br>A<br>S<br>O<br>N | (3)<br>M<br>E<br>T<br>H<br>O<br>D<br>O<br>F<br>S<br>H<br>U<br>T<br>D<br>O<br>W<br>N<br>R/X | LICENSE<br>EVENT<br>REPORT<br>NO. | (4)<br>S<br>Y<br>S<br>T<br>E<br>M<br>C<br>O<br>D<br>E | (5)<br>C<br>O<br>M<br>P<br>O<br>N<br>E<br>N<br>T<br>C<br>O<br>D<br>E | CAUSE AND CORRECTIVE<br>ACTION TO<br>PREVENT RECURRENCE |
|-------------|----------|-------------------------|-------------------|-----------------------------------|--|-----------------------------------|---|--|---|
| 8-P         | 96-11-14 | F                       | --                | A                                 | --   |                                   | EB  | ELECON   | "2A" MAIN POWER SWITCHYARD<br>CONNECTOR REPAIR          |

(1)  
F Forced  
S Scheduled

(2)  
Reason:  
A-Equipment Failure (Explain)  
B-Maintenance or test  
C-Refueling  
D-Regulatory Restriction  
E-Operator Training & License Examination  
F-Administrative  
G-Operator Error (Explain)  
H-Other (Explain)

(3)  
Method:  
1-Manual  
2-Manual Scram  
3-Automatic Scram  
4-Other (Explain)

(4)  
Exhibit G - Instructions  
for Preparation of Data  
Entry Sheets For Licensee  
Event Report (LER)  
File (NUREG-0161)

(5)  
Exhibit I - Same Source



### MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Catawba, Unit 2
2. Scheduled next refueling shutdown: March 1997
3. Scheduled restart following refueling: April 1997

THE PROJECT MANAGER HAS BEEN ADVISED BY SEPARATE COMMUNICATION OF ANY T.S. CHANGE OR LICENSE AMENDMENT. THEREFORE, QUESTIONS 4 THROUGH 6 WILL NO LONGER BE MAINTAINED IN THIS REPORT.

4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?

If yes, what will these be?

If no, has reload design and core configuration been reviewed by Safety Review Committee regarding unreviewed safety questions?

5. Scheduled date(s) for submitting proposed licensing action and supporting information.
6. Important licensing considerations (new or different design or supplier, unreviewed design or performance analysis methods, significant changes in design or new operating procedures).
7. Number of Fuel assemblies (a) in the core: 193  
(b) in the spent fuel pool: 524
8. Present licensed fuel pool capacity: 1418  
Size of requested or planned increase: ---
9. Projected date of last refueling which can be accommodated by present license capacity:  
September 2011

DUKE POWER COMPANY

DATE: December 13, 1996

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

DOCKET: 50- 414

UNIT: Catawba 2

Date: 12/13/96

#### NARRATIVE SUMMARY

MONTH: November, 1996

Catawba Unit 2 began the month of November operating at 100% full power. The unit operated at or near 100% full power until 11/14/96 at 1000, when the unit began decreasing power due to "2A" main power switchyard connector repair. The unit held at 47% power from 11/14/96 at 1520 to 11/15/96 at 0300 due to "2A" main power switchyard connector repair. The unit returned to 100% full power on 11/15/96 at 1453, and operated at or near 100% full power the remainder of the month.

Prepared by: R. A. Williams  
Telephone: (704) - 382-5346